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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10582888
	Filing Date		2006-06-14
	First Named Inventor	Petrus et al.	
	Art Unit	1796	
	Examiner Name	LIAM J. HEINCER	
	Attorney Docket Number	TS1404 US	

U.S.PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	4652685		1987-03-24	Cawse et al.	
	2	5596113		1997-01-21	Douglas et al.	
	3	5892107		1999-04-06	Farone et al.	
	4	5883266		1999-03-16	Elliott et al.	
	5	6894199	B2	2005-05-17	Heikkila et al.	
	6	4462865		1984-07-31	Wallis, Wilhelm E.	
	7	6527914		2003-03-04	Shevchenko et al.	
	8	4594130		1986-06-10	Chang et al.	

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	9	5068105		1991-11-26	Lewis et al.	
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U.S. PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20060162239	A1	2006-07-27	Van Den Brink et al.	
	2	20020069987	A1	2002-06-13	Pye	
	3	20040231810	A1	2004-11-25	Rousu et al.	

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FOREIGN PATENT DOCUMENTS

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	1	05/059016	WO	A1	2005-06-30	Shell Canada Limited		<input type="checkbox"/>
	2	03/014231	WO	A1	2003-02-20	Shell Canada Limited		<input type="checkbox"/>
	3	2040275	GB	A	1980-08-28	Southwest Research Institute		<input type="checkbox"/>

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	4	69409	EP	A1	1985-11-21	Stamicarbon B.V.		<input type="checkbox"/>
	5	98/26869	WO	A1	1998-06-25	Battelle Memorial Institute		<input type="checkbox"/>
	6	99/65851	WO	A1	1999-12-23	Catalytic Distillation Technologies		<input type="checkbox"/>
	7	02/074760	WO	A1	2002-09-26	E.I. Dupont De Nemours and Company		<input type="checkbox"/>
	8	7-18269	JP		1995-01-20			<input type="checkbox"/>
	9	472474	EP	A1	1996-01-24	Rengo Co. Ltd		<input type="checkbox"/>
	10	4036878	EP	A1	2000-09-20	Kabushiki Kaisha Toshiba		<input type="checkbox"/>
	11	82/00483	WO	A1	1982-02-18	BAU-UND Forschungsgesell-Schaft Thermoform AG		<input type="checkbox"/>
	12	01/59202	WO	A2	2001-08-16	Akzo Nobel N.V.		<input type="checkbox"/>

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1	Dependent United States Patent Application Serial No.: 11/014,404 (United States Patent Publication No.: US2006/0162239 A1).	<input type="checkbox"/>
2	Dependent United States Patent Application Serial No.: 11/420,981 (United States Patent Publication No.: US2007/0034345 A1).	<input type="checkbox"/>
3	European Patent Office Search Report, Application No. 04106969.1, dated June 22, 2005.	<input type="checkbox"/>
4	Kirk-Othmer's Encyclopedia of Chemical Technology, 3rd ed., 13:909, dated June 22, 2005.	<input type="checkbox"/>
5	Ullmann's Encyclopedia of Industrial Chemistry, 5th ed., A15:80, 1990.	<input type="checkbox"/>
6	WAN et al., Ruthenium(II)-sulfonated BINAP: A Novel Water-Soluble Asymmetric Hydrogenation Catalyst," Tetrahedron: Asymmetry 4(12):2461-2468, 1993.	<input type="checkbox"/>
7	BEHR et al., Aqueous Biphasic Catalysis as a Powerful Tool for Catalyst Recycling in Telomerization and Hydrogenation Chemistry, Green Chem., 5(2):198-204, 2003.	<input type="checkbox"/>
8	FABRE et al., "Catalytic Hydrogenation of Arabinonic Acid and Lactones to Arabitol," J. of Catal., 208(1):247-254, 2002.	<input type="checkbox"/>
9	SMOOK, Handbook for Pulp and Paper Technologies, Angus Wilde Publications, 2nd edition, pg. 333. 1990.	<input type="checkbox"/>
10	HEITZ et al., "Solvent Effects on Liquefaction: Solubilization Profiles of a Canadian Prototype Wood, Populus deltoides, in the Presence of Different Solvents," Can. J. Chem. Eng., 72:1021-1027, December 1994.	<input type="checkbox"/>
11	YAMADA et al., "Rapid Liquefaction of Lignocellulosic Waste by Using Ethylene Carbonate" Biores. Tech., 70:61-67, 1999.	<input type="checkbox"/>

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